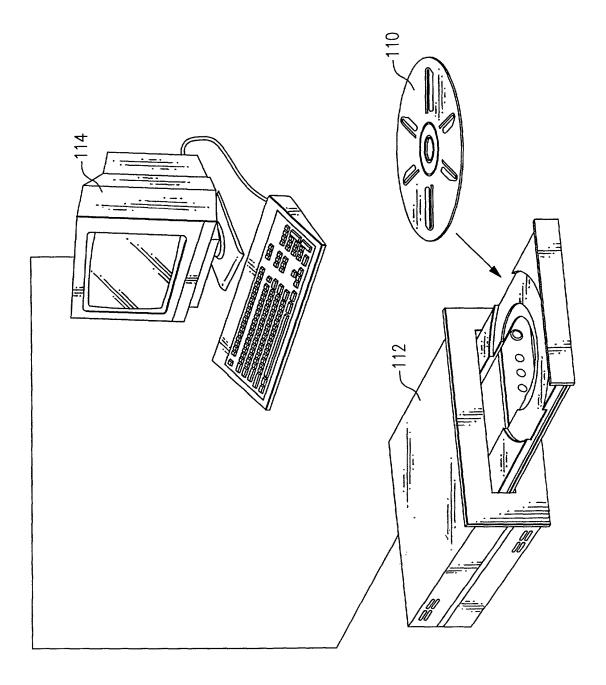
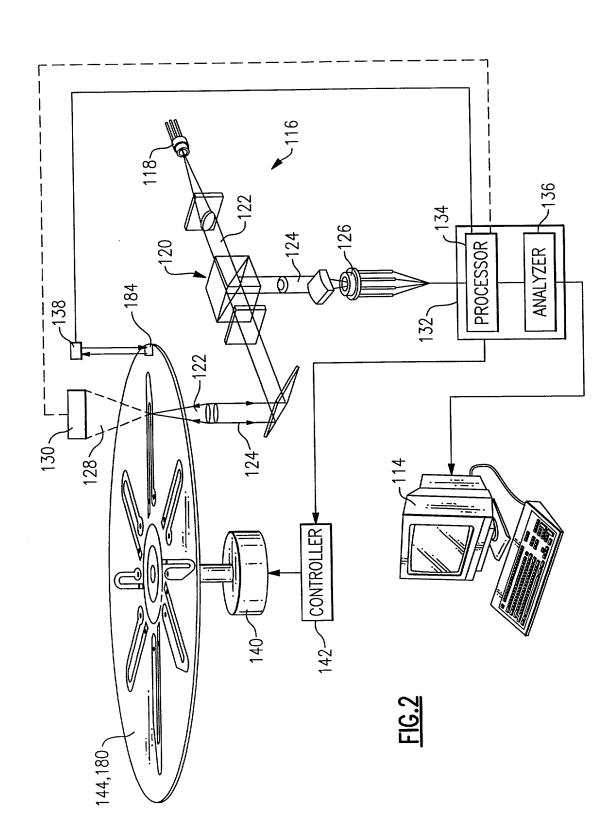
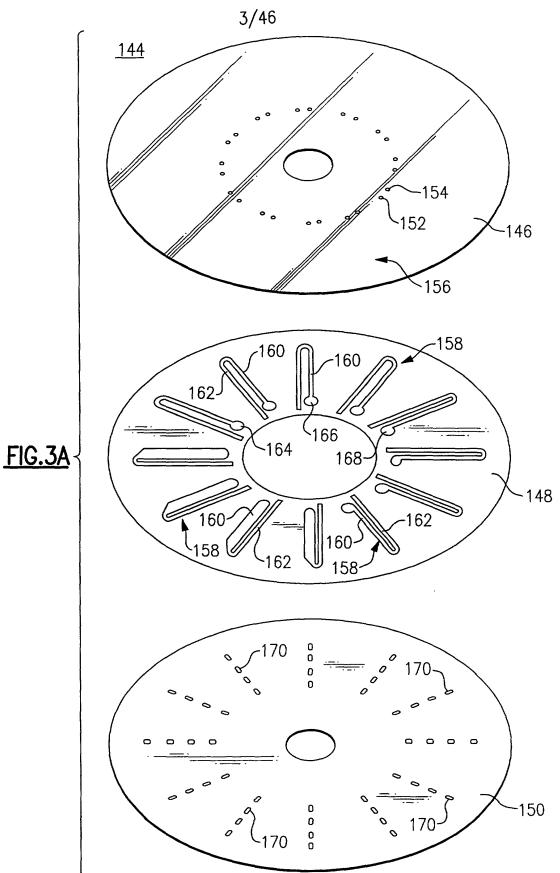
Title: METHODS FOR DNA CONJUGATION ONTO SOLID PHASE INCLUDING RELATED OPTICAL BIODISCS AND DISC DRIVE SYSTEM



I certify that this document was submitted to the U.S. Patent and Trademark Office using U.S. Express Mail # <u>EL923484743US</u>
Jacquelyn Campbell

Print Name Signature February 26, 2002 Date





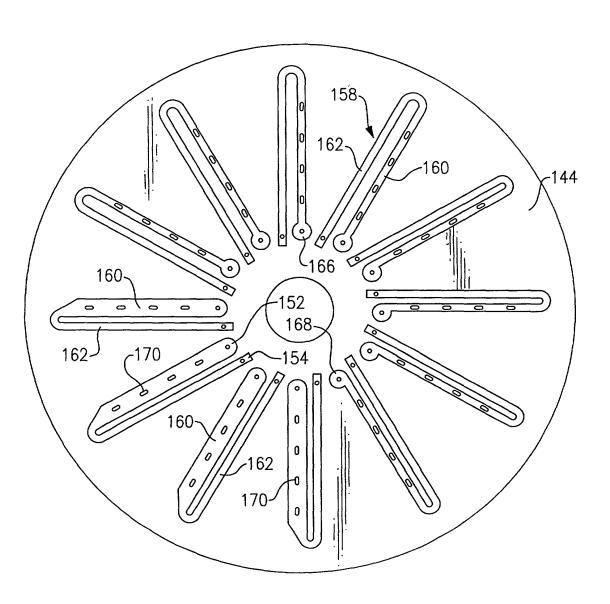
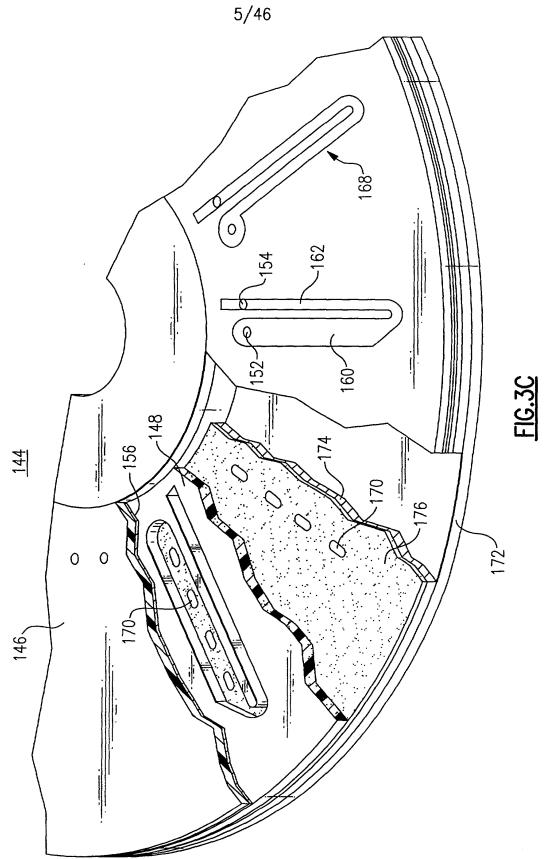
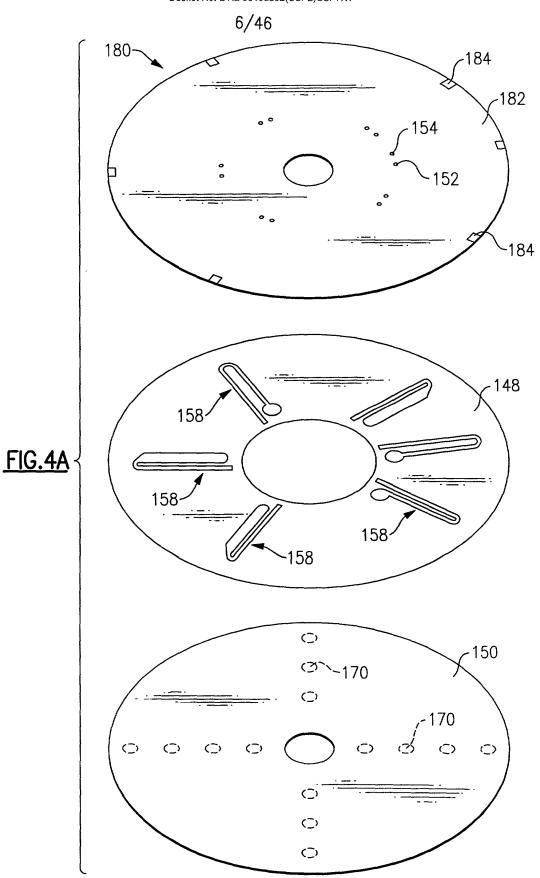


FIG.3B





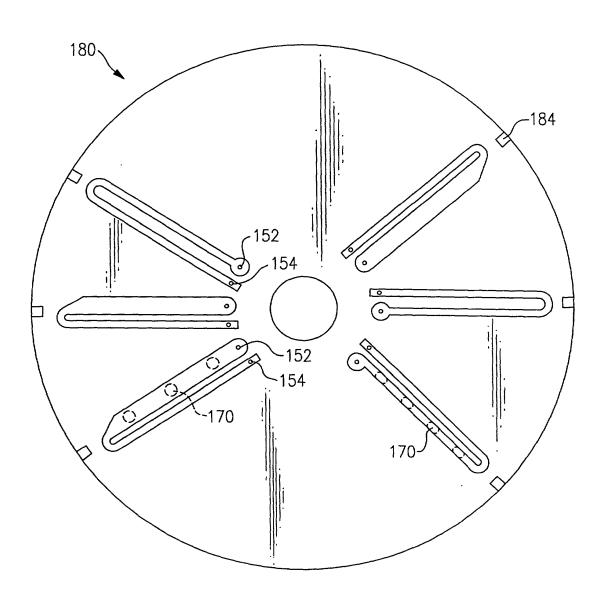
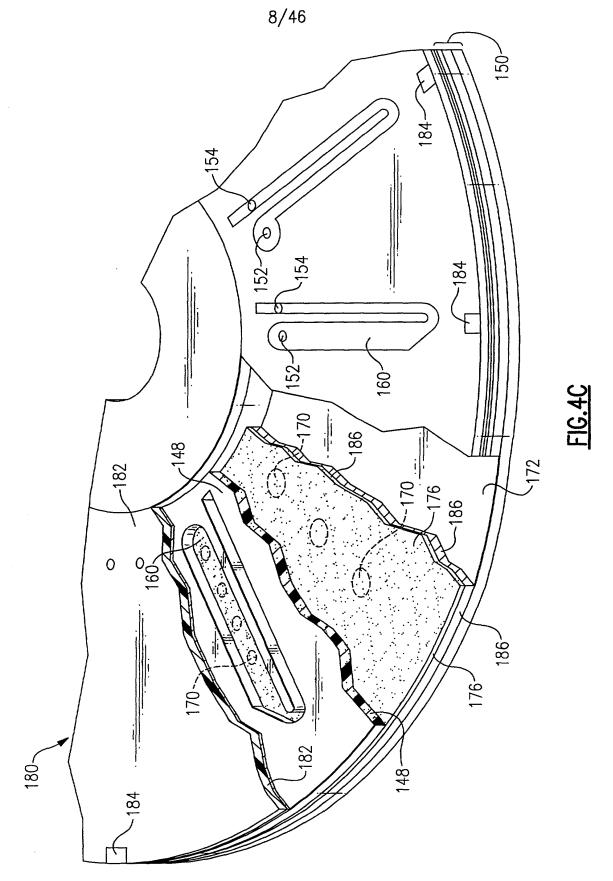
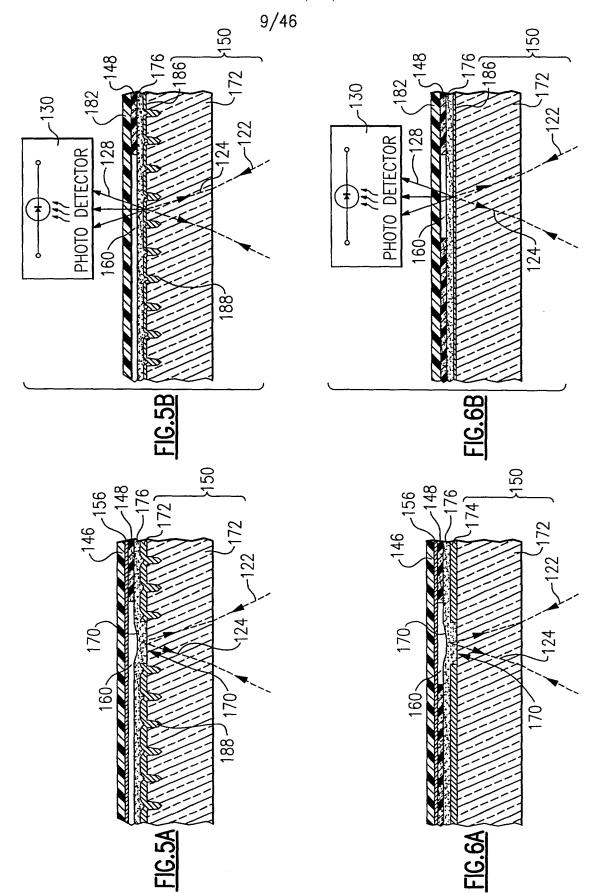
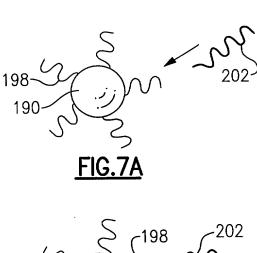
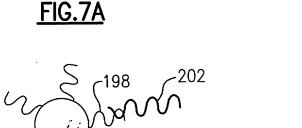


FIG.4B











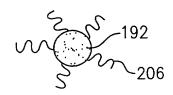


FIG.9A

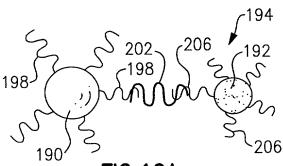


FIG. 10A

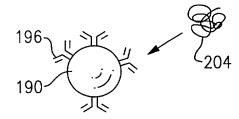


FIG.7B

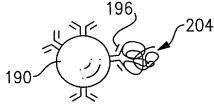


FIG.8B

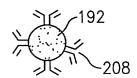


FIG.9B

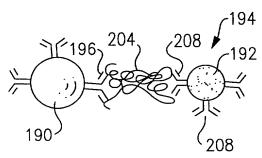
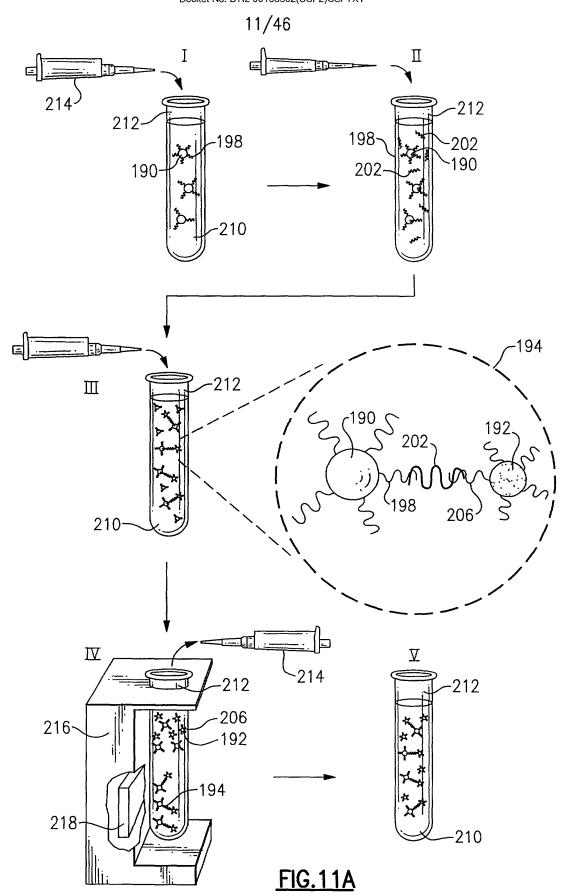
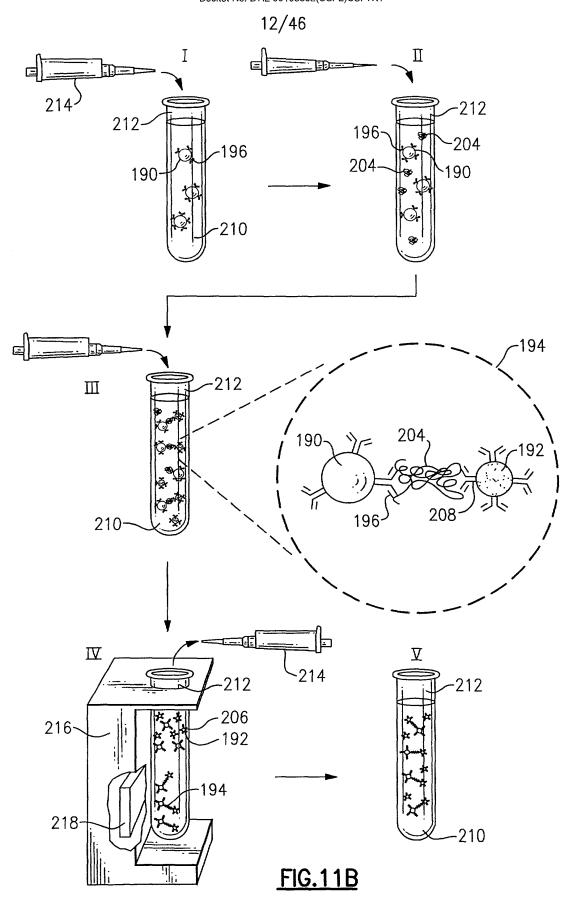
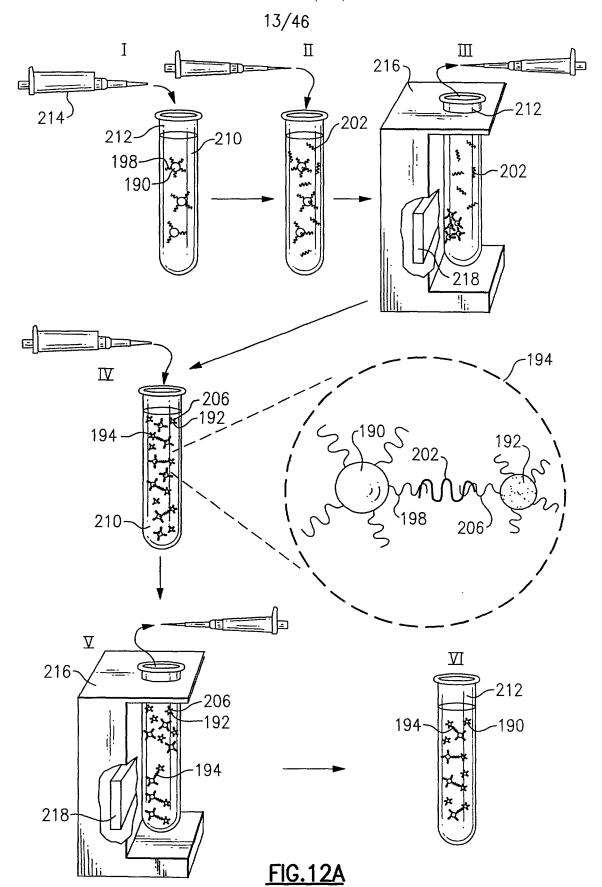
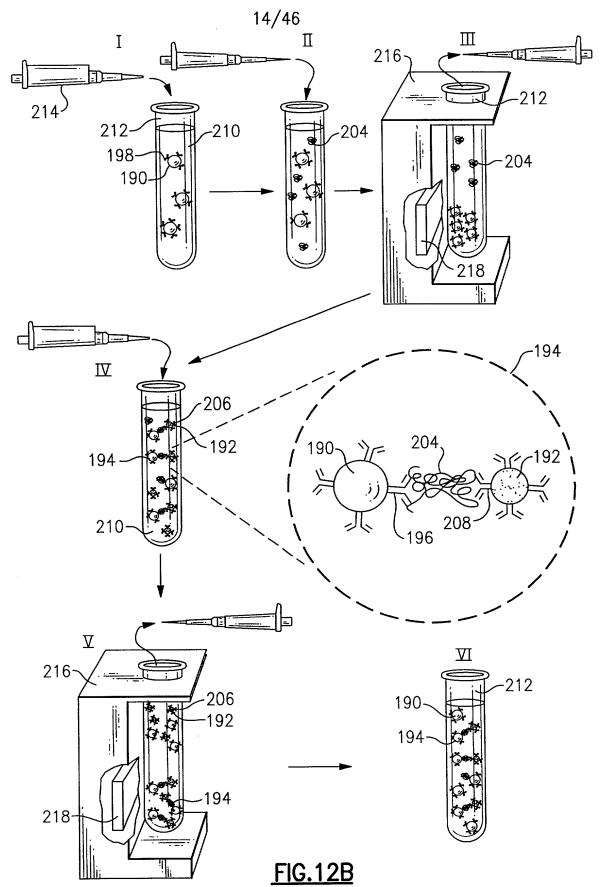


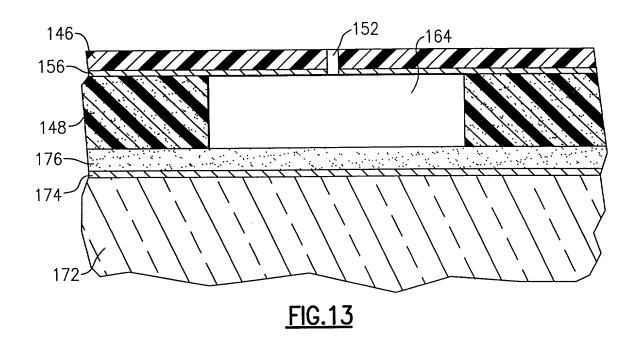
FIG.10B

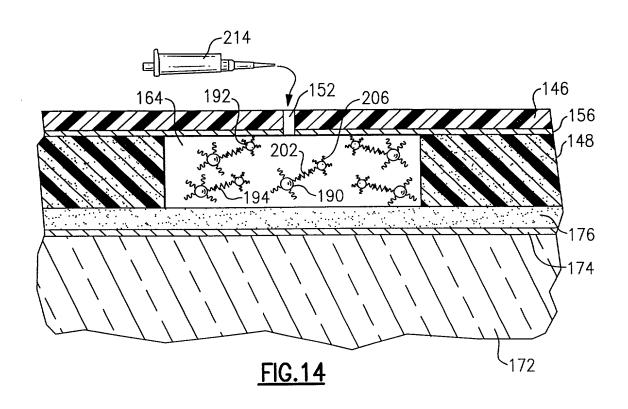






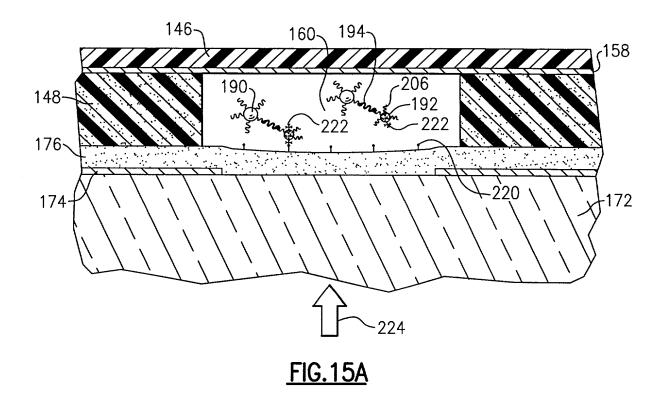


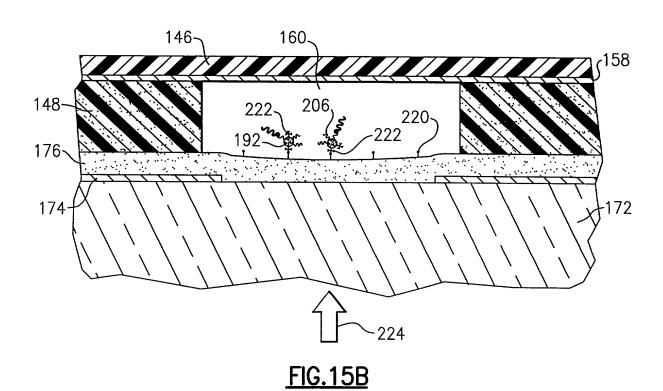


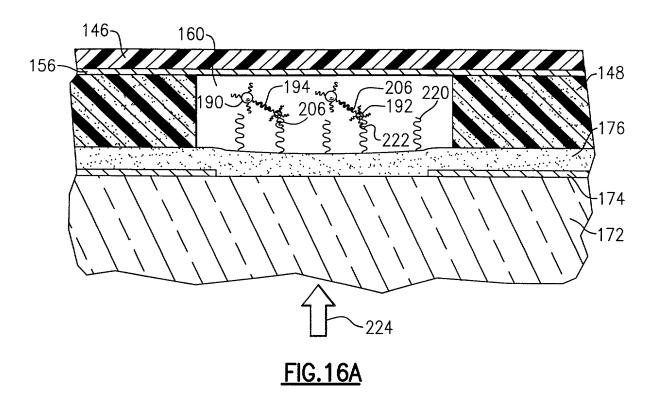


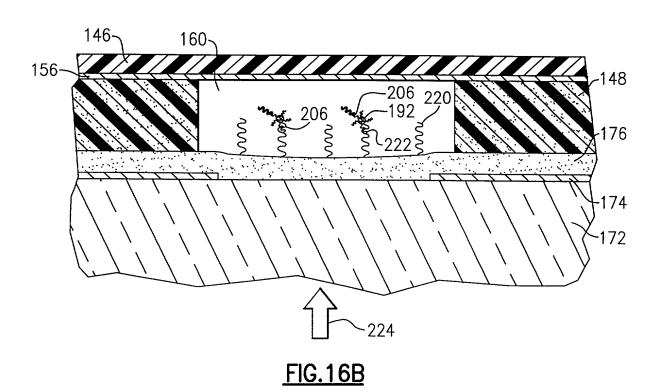
Title: METHODS FOR DNA CONJUGATION ONTO SOLID PHASE INCLUDING RELATED OPTICAL BIODISCS AND DISC DRIVE SYSTEM

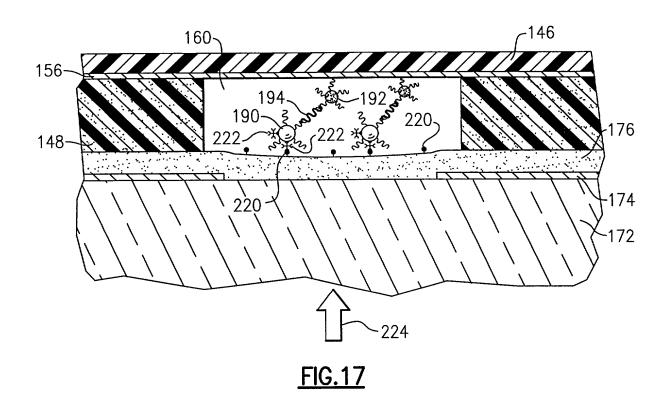
Inventors: Phan, et al. Docket No: BTI2 00103502(USP2)USP7X1

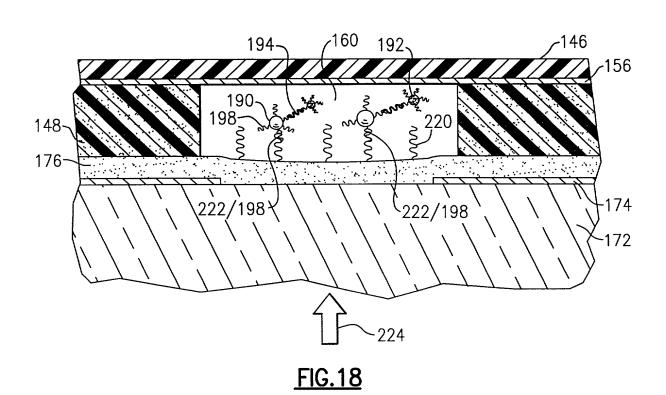














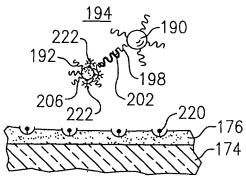


FIG.19A

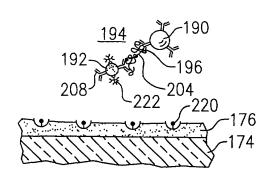


FIG.20A

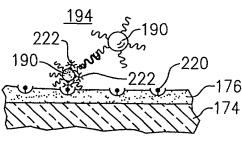


FIG.19B

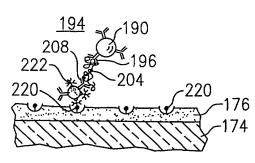


FIG.20B

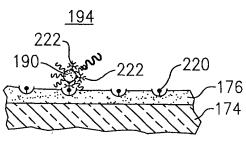


FIG.19C

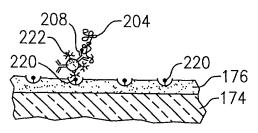
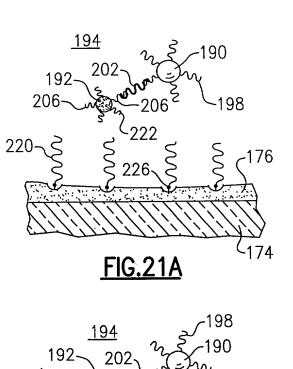
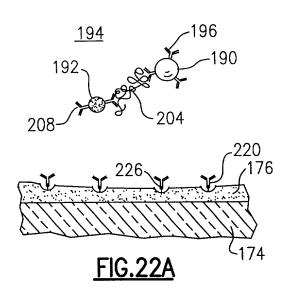
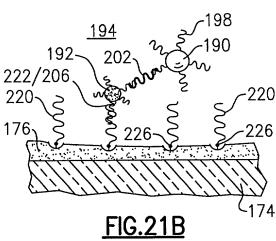
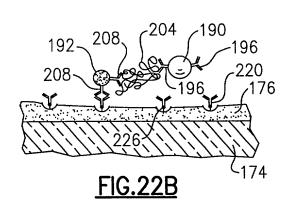


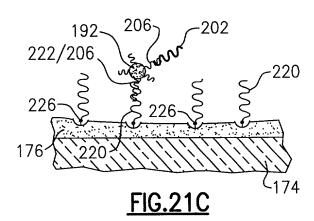
FIG.20C

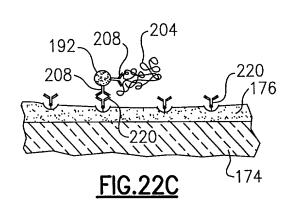


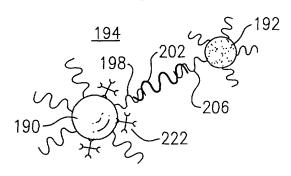


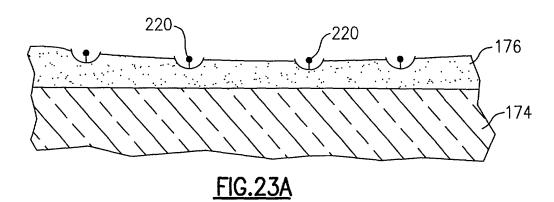


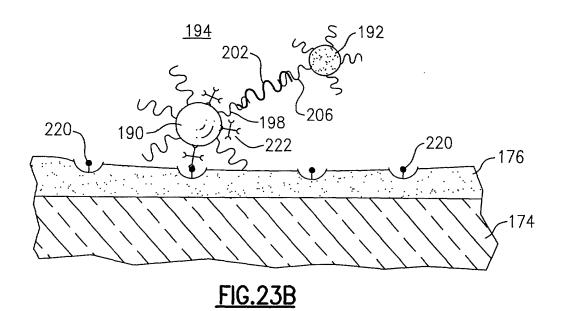


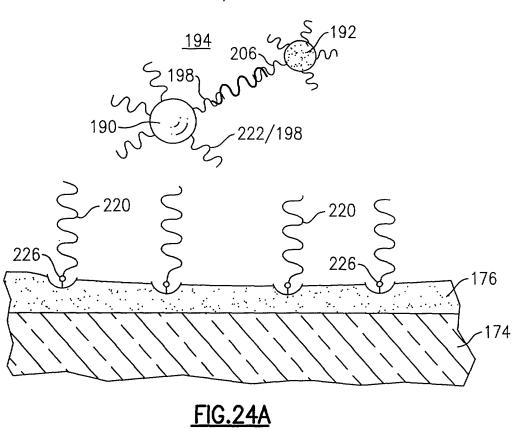


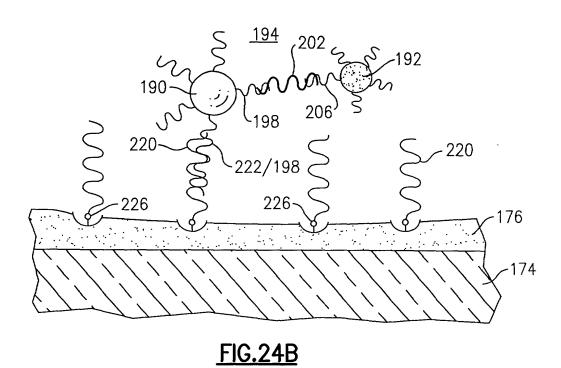


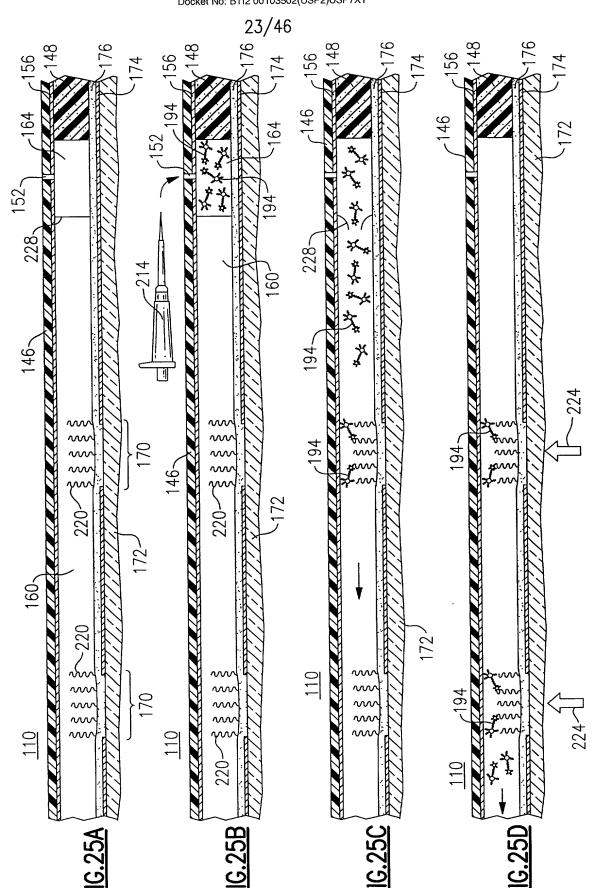


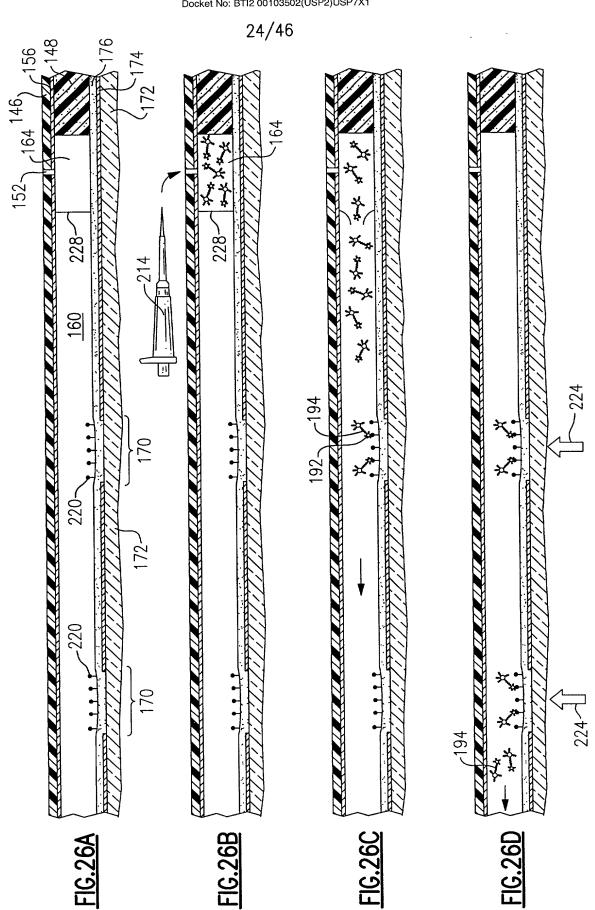




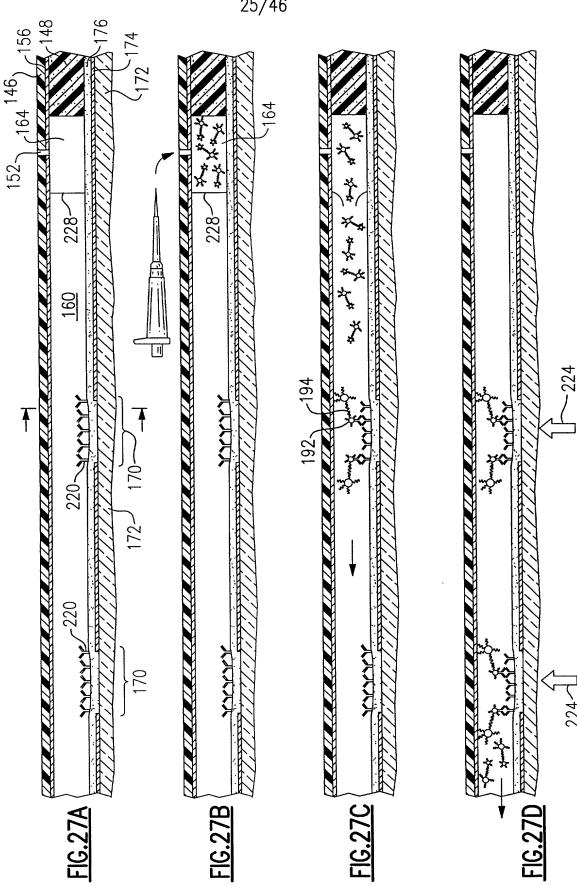


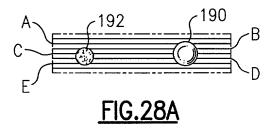












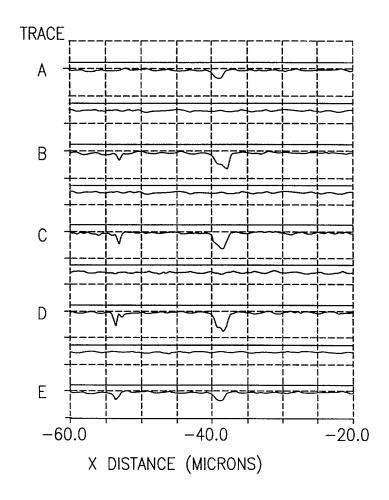
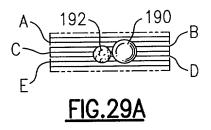


FIG.28B



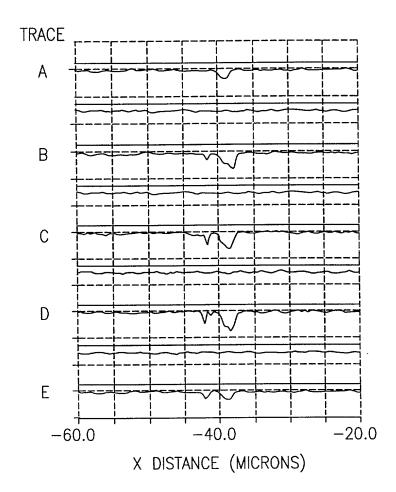
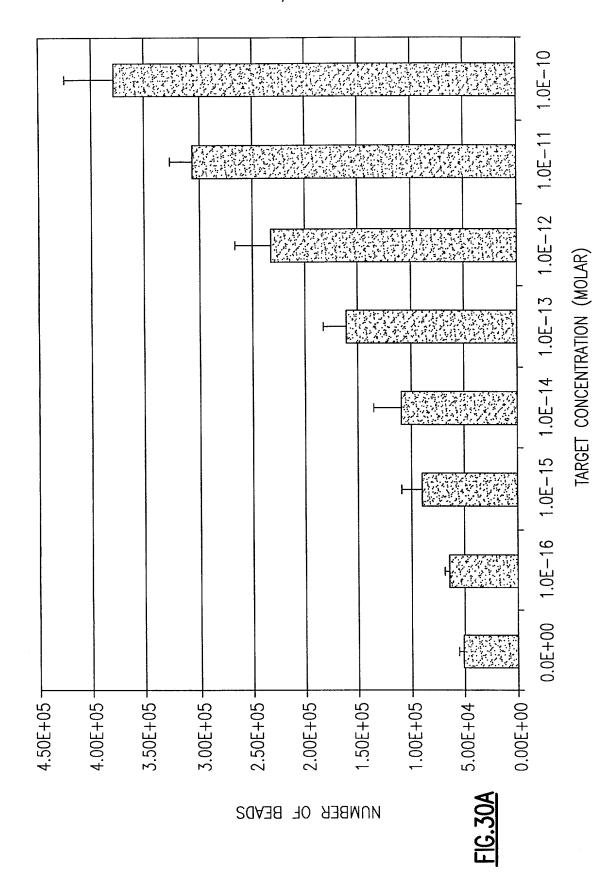


FIG.29B



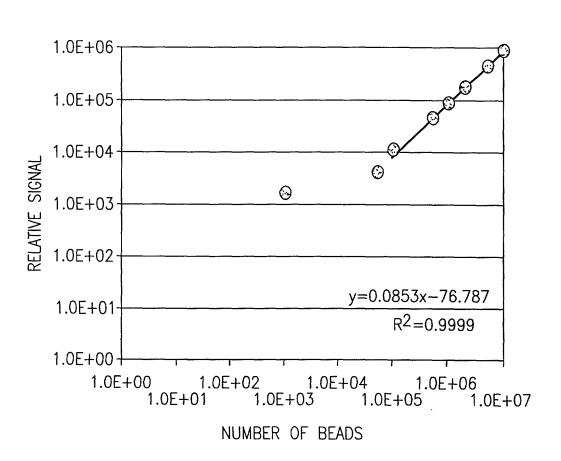


FIG.30B

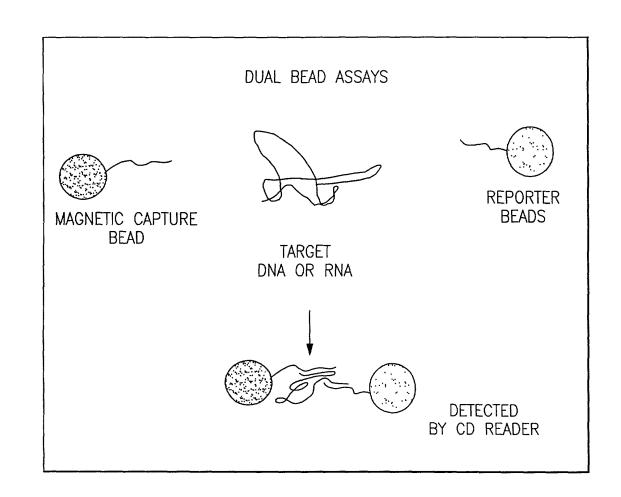
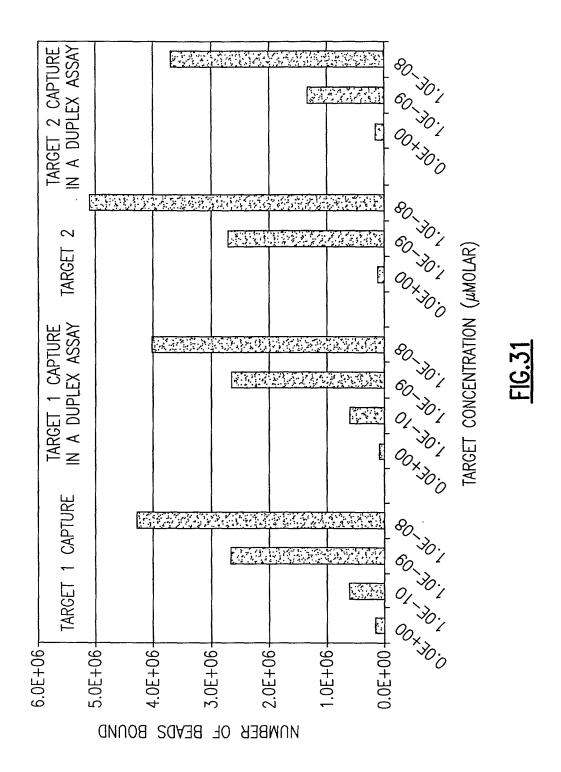


FIG.30C



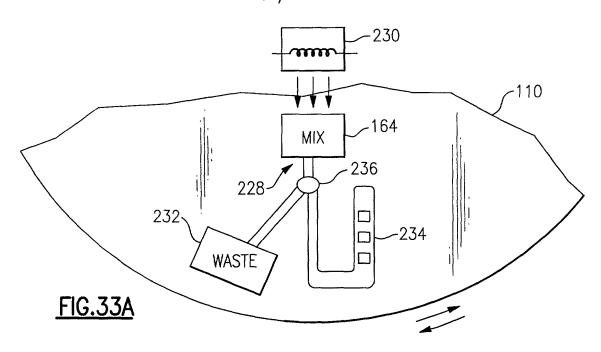
Section Section of Section Section Section Section Section Section Section Security Section Section Security Section Security Section Security Section Security Section Security Security Section Security Section Security Section Security Security

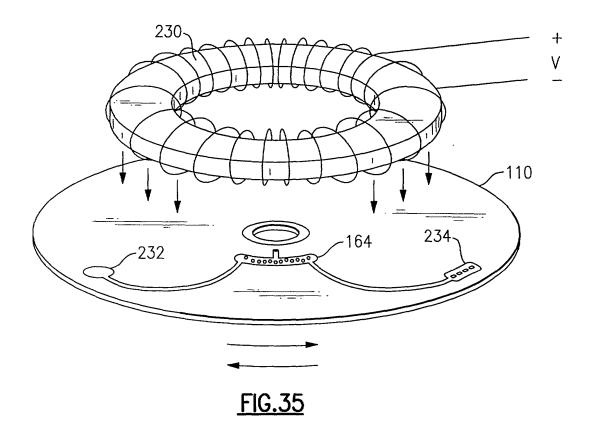
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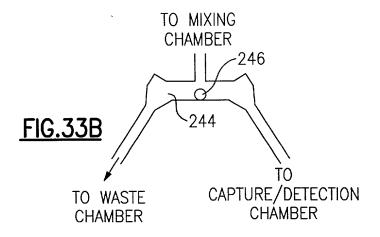
DUAL BEAD ASSAY MULTIPLEXING

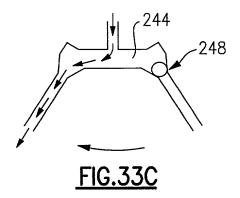
MAGNETIC BEADS	REPORTER BEADS	DUPLEX
W	O O O	®⊙ ®⊙
M	0 0 0	® ○ ® ○ →
M		
M		

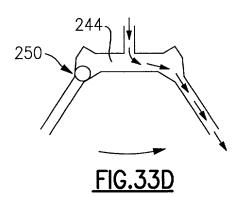
FIG.32

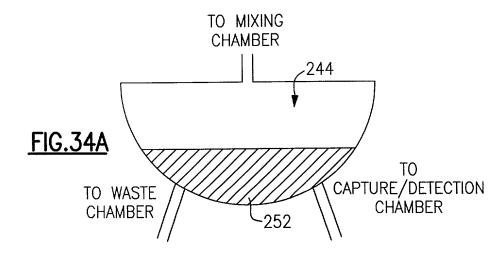


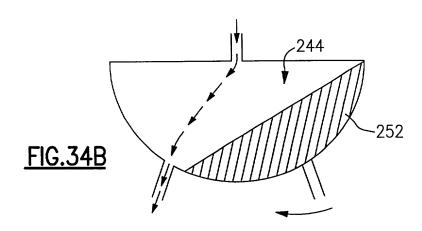


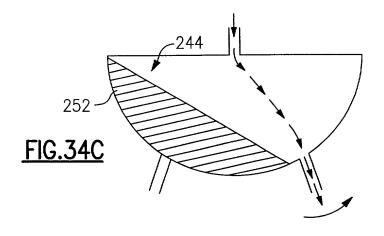


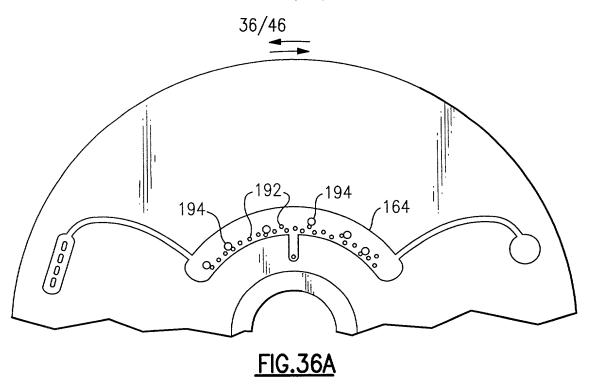


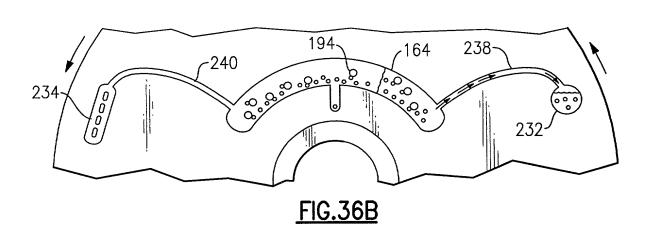












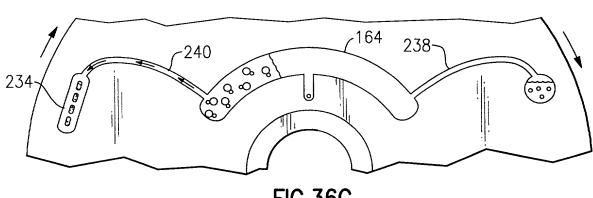
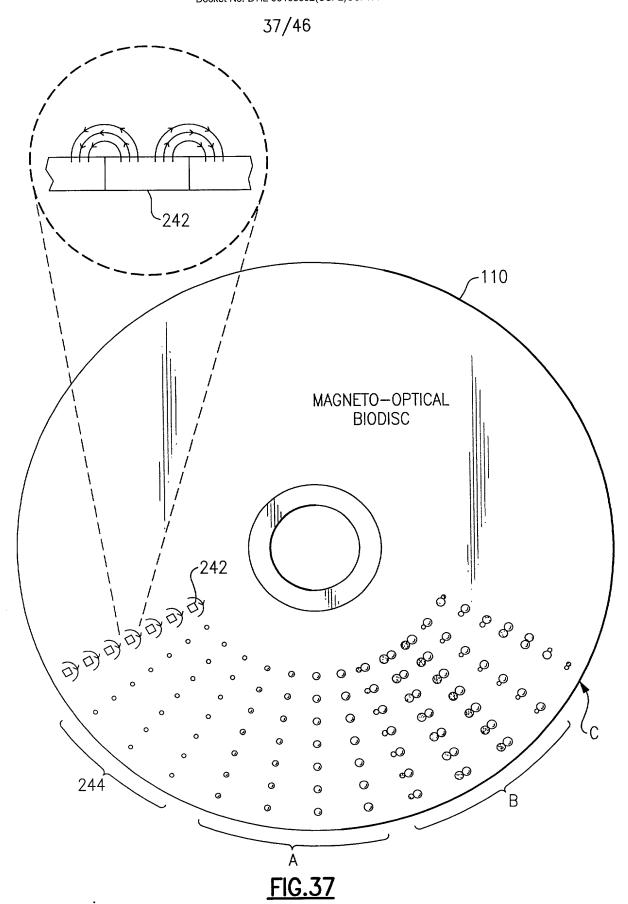
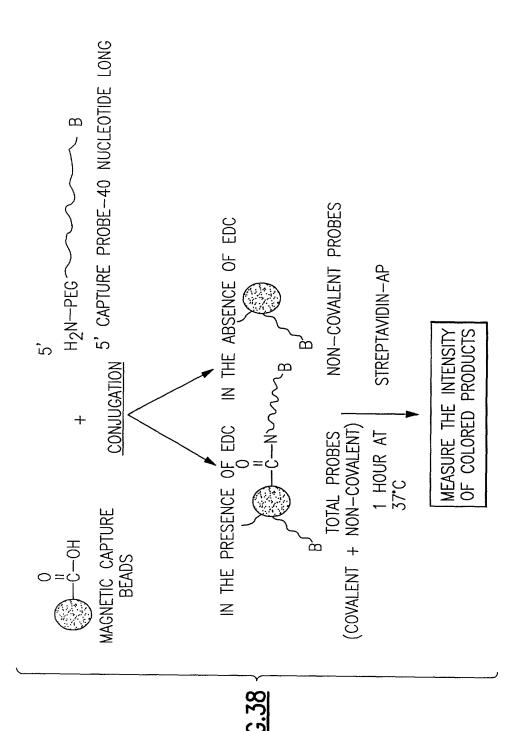


FIG.36C

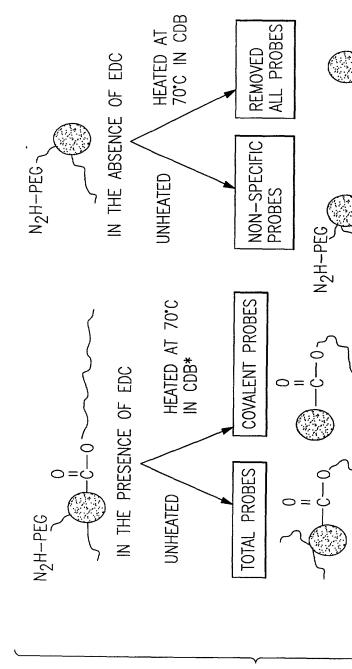
Title: METHODS FOR DNA CONJUGATION ONTO SOLID PHASE INCLUDING RELATED OPTICAL BIODISCS AND DISC DRIVE SYSTEM INVESTORS: Phan, et al.

Inventors: Phan, et al. Docket No: BTI2 00103502(USP2)USP7X1





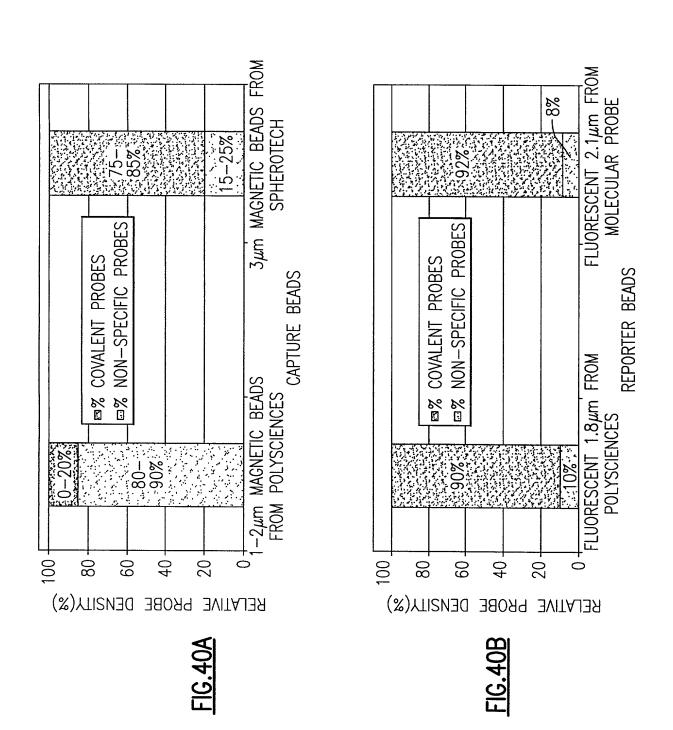
Area and the stands of the sta



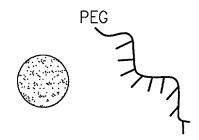
Some Lord soil your June 3. 1.

CDB: 2% BSA, 50mMTris-HCl,145mM NaCl,1mM MgCl $_2$, 0.1mM ZnCl $_2$, 0.05%NaN $_2$ (4)

(7)



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OPEN BASES--MORE HYDROPHOBIC INTERACTIONS WITH BEAD'S SURFACE

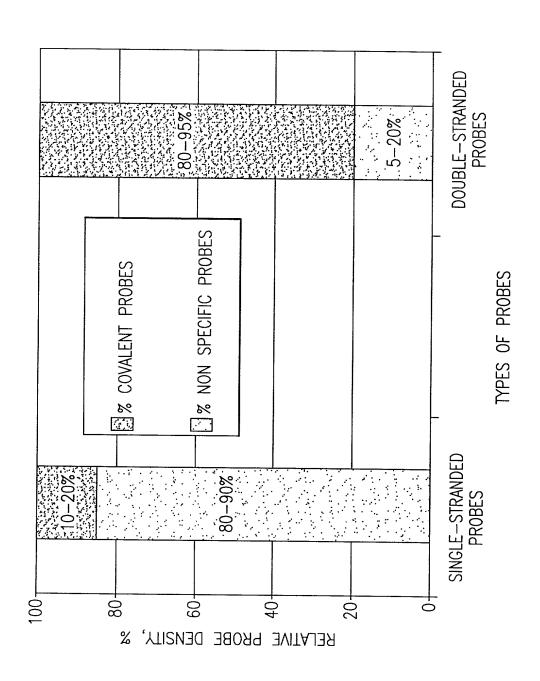
BIOTIN

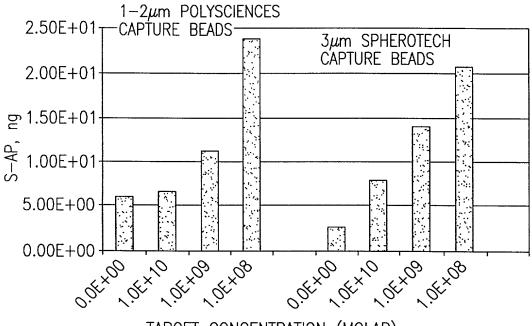


PEG

COMPLEMENTARY STRAND HYDRIBIZED——NO OPEN BASES, LESS HYDROPHOBIC INTERACTIONS WITH BEAD SURFACE

FIG.41A





TARGET CONCENTRATION (MOLAR)

FIG.42A

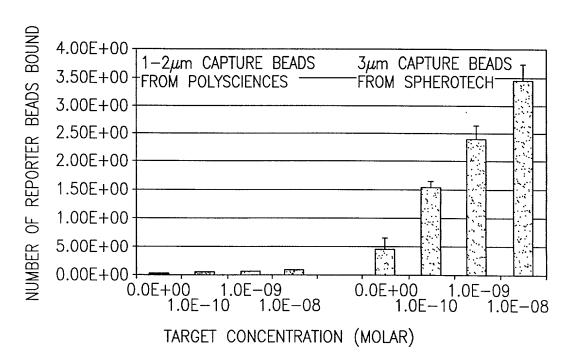
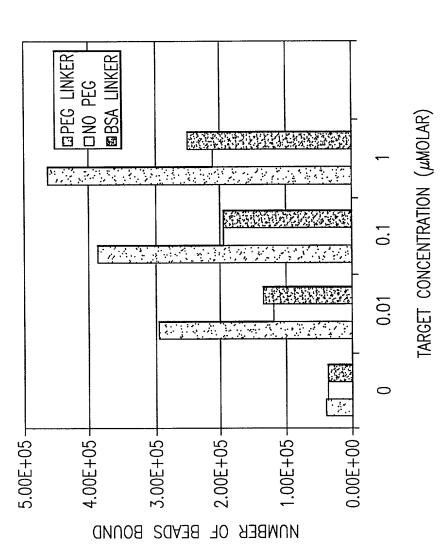


FIG.42B

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Title: METHODS FOR DNA CONJUGATION ONTO SOLID PHASE INCLUDING RELATED OPTICAL BIODISCS AND DISC DRIVE SYSTEM

